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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/600,904	
	Filing Date	06/20/2003	
	First Named Inventor	Robert Sigurd Nelson	
	Art Unit	2882	
	Examiner Name	Irakli Kiknadze	
Total Number of Pages in This Submission	6	Attorney Docket Number	

ENCLOSURES (Check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Robert Sigurd Nelson
Signature	<i>Robert Sigurd Nelson</i>
Date	May 14, 2004

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Appl. No. : 10/600,904  
Applicants : Robert Sigurd Nelson, William Bert Nelson  
Filing Date : June, 2003  
Examiner : Irakli Kiknadze  
Art Unit : 2882  
Title : DEVICE AND SYSTEM FOR IMPROVED IMAGING IN NUCLEAR  
MEDICINE AND MAMMOGRAPHY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 14, 2004

**AMENDMENT**

Dear Mr. Kiknadze:

In response to the Office Action post marked April 21, 2004, please amend this application 10/600,904 as follows:

**IN THE CLAIMS**

Please amend claims 57, 59 as follows.

57. (Amended) A method of calibrating a radiation detection system  
comprising:

providing a ~~known~~ radiation source ~~distribution~~ that emits radiation, wherein the  
source is chosen from the group consisting of a uniform point-like source, a line-like  
source, a spherical source, a rod-like source, a collimated spot source, a slit source, a slot